

TECHNICAL DATA

1. SUPPLIER

Octopus Products Limited
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Phone: (416) 531-5051 or
Toll free: 1-877 OCTOLAM

2. PRODUCT DESCRIPTION

Uses: OCTOLAM decorative laminates are supplied for both residential and commercial use. OCTOLAM decorative laminates are suitable for application to interior surfaces where a decorative wear stain and impact resistant surface is required. Depending on the particular laminate chosen applications can include countertops, tabletops, furniture, vanities, store fixtures, wall panels, laminate doors and cabinets, partitions, and elevator cabs. Please note that not all laminates are suitable for horizontal applications. Octopus supplies a wide range of laminates from around the world in various grades. Please contact our office to determine the specific grade for the laminate you have chosen.

Limitations: OCTOLAM decorative laminates are not recommended for exterior use or direct application to plastered walls, gypsum wallboard or concrete walls. Do not use OCTOLAM decorative laminates in areas exposed to temperatures in excess of 275°F (135°C). Fabrication should not be done in an air temperature of less than 65°F (18°C). Materials should be allowed to acclimatize to the surrounding temperature before fabrication can proceed. Do not expose Octolam to extremes in humidity, temperatures higher than 135°C for substantial periods of time, or intense, continuous, direct sunlight.

Composition and Materials: OCTOLAM decorative plastic laminates are sheets consisting of plain, coloured or decorative paper, coated or impregnated with melamine-formaldehyde resins which are pressed together with phenolic resin impregnated kraft paper at a pressure of approximately 1200 lbs. per square inch at temperatures in excess of 275°F (135°C). Metal laminates consist of either aluminum, copper or stainless steel foils which are bonded to a phenolic backer. The back is sanded to maintain a uniform thickness and to ensure proper bonding.

3. BONDING

OCTOLAM decorative laminates should be bonded to a core material such as laminate grade plywood, particleboard, MDF, or metal using adhesives and techniques as recommended by reliable adhesive manufacturers and American National Standard Performance Standards for Fabricated High Pressure Decorative Laminate Countertops ANSI A 161 2-1979 (Sponsored by National Association of Plastics Fabricators). A pre-test is always suggested prior to any job. When bonding gloss laminates on a press, use moderate temperatures and pressures ($t < 60^{\circ}\text{C}$ and $1 < p < 1.5$ bars). For hot bonding filmed sheets, avoid exceeding 70°C for 6 minutes at a pressure of 2 bars.

4. POSTFORMING

Postforming grade laminates can be formed under the effect of heat (165°C to 170°C) and mechanical pressure along the convex or concave generator lines. Generally a radius of 8mm can be achieved on a 0.8mm thick sheet.

5. CONDITIONING HPL SHEETS

Prior to fabrication, care should be taken to ensure that a moisture imbalance does not exist between an OCTOLAM decorative laminate and the substrate. It is recommended that HPL sheets be stored in the following ambient conditions for 10 days prior to use: Temperature – 18 to 22 degrees Celsius; Relative Humidity – 40 to 60%

6. CUTTING

Use tungsten-carbide inserts, sharpened with care to avoid chipping and incipient cracking or hazing. Protect the surface of the sheet against possible abrasion friction. For manual cutting a scoring tool can be used such as a Zinc worker's claw. HPL can also be cut using fixed machines such as circular saws. To avoid stress-cracking, internal corners and notched incisions should always be smoothly rounded with a minimum radius of 5mm.

7. MAINTENANCE

Normal Maintenance: Surfaces of OCTOLAM decorative laminates may be cleaned with a damp cloth and ordinary soap or household ammoniated liquid detergents such as glass cleaner. Abrasive cleaning products or agents such as common bathroom cleaners containing five percent or more of chlorine bleach solution should not be used.

Heavy Maintenance: For tougher stains, organic solvents such as alcohol, acetone, lacquer thinner or paint solvents can be used. Some organic solvents may cause discoloration or permanent damage to OCTOLAM decorative laminates. When solvents are required, always test the solvent on a hidden part of the fixture or on a leftover off cut first.

8. LIMITATION OF WARRANTY AND LIABILITY

Limited Warranty: The Seller warrants the product sold hereunder shall conform in all material respects to the Seller's standard specifications shown on the Specification Sheets, which are available to the Buyer upon request. The Buyer assumes all risk as to the results of the use of the products purchased, whether used singly or in combination with other materials or in any process.

Limitation of Claims: At the Seller's option, replacement material without any additional cost to the Buyer, or purchase price refund will apply only in cases where manufacturer defect has been proven.

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, BASED ON ANY COURSE OF DEALING OR USAGE OF TRADE OR OF FITNESS FOR PARTICULAR USE OR OTHERWISE, OTHER THAN STATED HEREIN OR REQUIRED BY APPLICABLE LAW, SELLER'S LIABILITY FOR ANY LOSS OR CLAIM WHATSOEVER, INCLUDING A CLAIM FOR BREACH OF THE WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED SOLELY AND EXCLUSIVELY TO REPLACEMENT OF DEFECTIVE OR NON-CONFORMING PRODUCTS AND REPAYMENT OF THE PURCHASE PRICE. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY OTHER ACTUAL DAMAGES OR ANY SPECIAL INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGE.

Any course of dealings between the parties to the contrary notwithstanding, the Buyer is responsible for inspection of the product upon receipt and prior to any cutting or fabrication. Any claim by the Buyer for breach of warranty shall be deemed waived to the extent it could have been determined by such inspection, unless presented in writing ten (10) days from the date of receipt of the products to which such claims relate. In all events, claims not made within two months after receipt are deemed waived.

The seller shall have no liability for defects or other failures caused by failure to fabricate, install, use or maintain the products in accordance with Octopus' instructions.

The buyer assumes all risks and liability for loss, damage, or injury to person or property of the Buyer or others arising out of the use of possession of any products sold hereunder. Any question concerning this warranty should be mailed to:

Octopus Products Limited
Claims Division
200 Geary Avenue, Toronto, ON
CANADA M6H 2B9

This warranty gives you specific legal rights. Consumers for personal or household use may also have other rights, which will vary from province to province, or in the USA, from state to state. Federal law does not permit the disclaimer or modification of implied warranties for consumers, but does permit the limitation of the duration of the implied warranties. Some provinces and states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

9. TECHNICAL SERVICES

Octopus Products Limited has trained sales representatives servicing all areas of Canada and the continental US. To speak to a representative in your area, call Toll Free at 1-877-OCTOLAM.

10. PHYSICAL PROPERTIES

| OCTOLAM: 101C, 100C-GL, 154C, 154C-GL, 155, 155C-GL, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 250, 251, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270 | | | |
|--|-------------------------------------|---------------------------------|----------------|
| TYPE: HPL (NEMA LD 3 -2005) HGS | | THICKNESS 0.90 mm | |
| Sl. No. | PROPERTIES | REQUIREMENTS NEMA LD 3 -2005 | TYPICAL VALUES |
| 1 | Thickness (mm) | 0.9± 0.12 | 0.94 |
| 2 | Cleanability | 20 | Passed |
| | Stain (1-10) | NE | Passed |
| | Stain (11-15) | M | Passed |
| 3 | Boiling Water Resistance | NE | Passed |
| 4 | High Temperature Resistance | SL | Passed |
| 5 | Ball Impact Resistance (Small ball) | NA | 30N |
| 6 | Dimensional Change | | |
| | % MD (Max) | 0.5 | 0.34 |
| | % CD (Max) | 0.9 | 0.57 |
| 7 | Wear Resistance | 400 | 430 |

NE – No effect
SL – Slight effect
M – Moderate effect
S – Severe effect
NA – Not applicable

| OCTOLAM: 156, 157, 158, 159, 160, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281 | | | | |
|--|--|-----------------------------------|------------------------------------|------------------------------|
| Technical Properties and typical values as per BS 2572 1990 | | | | |
| Sl. No. | Test Particulars | NEMA LD3 1995 MGL Type | IS : 2046 CGS Grade | Aristolam |
| 1 | Resistance to surface wear (cycies) | 400 (min) | 350 (MIN) | 400 (min) |
| 2 | Resistance to immersion in boiling water (&) | No effect | 10 (max) | 4 to 5% & No effect |
| 3 | Resistance to dry heat at 1800C | No effect | Moderate change of gloss/colour | No effect |
| 4 | Dimensional stability at elevated temperature | 0.6 - MD (max) 1.00 - CD (max) | 0.26 - MD (max) 0.50 - CD (max) | |
| 5 | Resistance to staining Group 1 & 2 Group 3 & 4 | No effect Moderate effect | Rating - 5 Rating - 4 | Rating - 5 Rating - 5 |
| 6 | Resistance to colour change in xenon arc light | Slight effect | Wool standards Rating - 4 | Wool standards Rating - 5 |
| 7 | Resistance to cigarette burns | Not specified | Rating - 3 | Rating - 4 (superior) |

| | | | | |
|--|------------------------|---|--------------------|--------------------|
| OCTOLAM: 253, 254, 255, 256, 257, 258, 321, 331, 341, 342, 343, 346, 453, 454, 455, 462, 463, 465, 519, 520, 522, 526, 527, 528, 529, 532, 533, 534, 535, 536, 537, 538, 540, 541, 542, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 557, 559, 560, 561, 565, 567, 568, 569, 572, 573, 581, 582, 594, 595, 596, 597, 598, 599, 601, 602, 603, 604, 606, 607, 608, 609, 611, 612, 613, 614, 692, 727, 728, 731, 732, 737, 789 | | | | |
| | General Purpose | | Postforming | |
| | HG | VG | HG | VG |
| Thickness tolerance in mm En 438-2-4 | ±0.1 mm | ±0.1 mm | ± 0.1 mm | ±0.1 mm |
| Surface defects | | | | |
| ▪ Spots in mm ² /m ² | ≤1 | ≤1 | ≤1 | ≤1 |
| ▪ Linear in mm/m ² | ≤10 | ≤10 | ≤10 | ≤10 |
| Abrasion resistance Number of revolutions En 438-2-6 | ≥350 | Structure ≥150 Pearlescent ≥50 | ≥350 | Pearlescent ≥50 |
| Resistance to boiling water 2 hours at 212°F (100°C) | | | | |
| ▪ Mass | ≤12% | ≤12% | ≤17.5% | ≤17.5% |
| ▪ Thickness | ≤14% | ≤14% | ≤19.5% | ≤19.5% |
| ▪ Appearance | Class 4 | Class 4 | Class 3 | Class 3 |
| EN 438-2-7 | | | | |
| Superficial heat resistance 180°C | | | | |
| ▪ Gloss | - | - | Class 3 | Class 3 |
| ▪ High gloss | - | - | Class 4 | - |
| ▪ Other | Class 4 | Class 4 | Class 4 | Class 4 |
| EN 438-2-8 | | | | |
| Dimensional stability | | | | |
| ▪ Longitudinal | <0.30% | <0.30% | <0.40% | <0.40% |
| ▪ Transverse | <0.60% | <0.30% | <0.60% | <0.60% |
| EN 438-2-9 | | | | |
| Impact resistance (small ball) in N EN 438-2-11 | ≥20 | ≥20 | ≥20 | ≥20 |
| Resistance to cracking EN 438-2-13 | Class 4 | Class 4 | Class 4 | Class 4 |
| Resistance to scratching in N | | | | |
| ▪ Gloss | | | ≥1.5 <2 | ≥1.5 <2 |
| ▪ High gloss | | | ≥2 | |
| ▪ Structure | | | - | - |
| ▪ Other | ≥2 | ≥1.75 | ≤2 | ≥1.75 |
| EN 438-2-14 | | | | |
| Colour fastness under artificial light | ≥6 | ≥6 | ≥6 | ≥6 |
| Resistance to cigarette burns En 438-2-18 | Class 3 | Class 3 | Class 3 | Class 3 |
| Postforming radius minimum in mm | | | | |
| ▪ Thickness 0.8 mm | | | 8 | 8 |
| ▪ Thickness 1.0 mm | | | 10 | 10 |
| EN 438-2-20 | | | | |
| Postforming heat resistance in s EN 438-2-22 | | | ≥15s | ≥15s |
| Resistance to steam Grade (not worse than) NFT 54363 | Class 4 | Class 4 | Class 4 | Class 4 |
| Fire rating – Applicable Special Order for Fire Grade Material only - EN 438-2-24 | M3 (Class 2) | | M3 (Class 2) | |

The values shown above are equal to and generally exceed the requirements of the ANFOR Standard NFT 54301.

OCTOLAM: 106, 109, 116, 123, 131, 134, 135, 147, 349, 353, 372 , 373, 376, 377, 419, 420, 444, 451, 452, 482, 483 , 485, 503, 746, 759, 784

| | General Purpose | | Postforming | | Metals | |
|--|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|
| | HG | VG | HG | VG | HG | |
| Dimensional stability <ul style="list-style-type: none"> ▪ Longitudinal ▪ Transverse EN 438-2 | Elevated Temp. 0.8% 1.4% | Ambient Temp. 0.8% 0.5% | Elevated Temp. 0.8% 1.4% | Ambient Temp. 0.8% 0.5% | Elevated Temp. 0.8% 1.4% | Ambient Temp. 0.8% 0.5% |
| Resistance to boiling water 2 hours at 212°F (100°C) <ul style="list-style-type: none"> ▪ Mass ▪ Thickness EN 438-2 | | ≤16% ≤21% | ≤23% ≤25% | | ≤23% ≤25% | |
| Resistance to steam Grade (not worse than) EN 438-2 | 4 | 4 | 3 | 3 | 3 | |
| Dry heat resistance 356°F (180°C) cooled for 20 min Grade (not worse than) <ul style="list-style-type: none"> ▪ Gloss finish ▪ Others EN 438-2 | 3 4 | x x | 3 4 | x x | 3 4 | |
| Resistance to household cleaning products EN 438-2 | No effect | | No effect | | No effect | |
| Impact resistance of small diameter ball Spring force (N) EN 438-2 | ≥20 | ≥20 | ≥20 | ≥15 | ≥20 | |
| Scratch resistance Load (N) EN 438-2 | ≥2.0 | ≥1.75 | ≥2.0 | ≥1.75 | ≥2.0 | |
| Wear resistance Number of revolutions <ul style="list-style-type: none"> ▪ IP ▪ $\frac{IP + FP}{2}$ EN 438-2 | ≥150 ≥350 | ≥50 ≥150 | ≥150 ≥350 | ≥50 ≥150 | ≥150 ≥350 | |
| Resistance to cigarette burns <ul style="list-style-type: none"> ▪ Grade (not worse than) ▪ Time to failure (min.) EN 438-2 | 3 110 | x x | 3 100 | x x | 3 100 | |
| Formability (Radius / mm max.) <ul style="list-style-type: none"> ▪ Method A ▪ Method B EN 438-2 | a a | a a | 15 15 | 10 10 | 15 15 | |
| Thickness tolerance EN 438-2 | ±0.1 mm | ±0.1 mm | ±0.1 mm | ±0.1 mm | ±0.1 mm | |

a = Not applicable
 b = Available upon request
 x = No requirement

| OCTOLAM: 432, 437, 438 | | | | | | | |
|---|--|-------------------|------------------|-------|-------|-------|-------|
| | Postforming | | | | | | |
| | HORIZONTAL GRADE | | | | | | |
| Dimensional stability <ul style="list-style-type: none"> ▪ Longitudinal ▪ Transverse EN 438-2 (9 + 10) | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Elevated Temp.</td> <td style="width: 50%; text-align: center;">Ambient Temp.</td> </tr> <tr> <td style="text-align: center;">0.16%</td> <td style="text-align: center;">0.06%</td> </tr> <tr> <td style="text-align: center;">0.45%</td> <td style="text-align: center;">0.29%</td> </tr> </table> | Elevated Temp. | Ambient Temp. | 0.16% | 0.06% | 0.45% | 0.29% |
| Elevated Temp. | Ambient Temp. | | | | | | |
| 0.16% | 0.06% | | | | | | |
| 0.45% | 0.29% | | | | | | |
| Resistance to boiling water 2 hours at 212°F (100°C) <ul style="list-style-type: none"> ▪ Mass ▪ Thickness EN 438-2 (7) | ≤14% ≤17% | | | | | | |
| Resistance to steam Grade (not worse than) EN 438-2 (24) | 5 | | | | | | |
| Dry heat resistance 356°F (180°C) cooled for 20 min Grade (not worse than) EN 438-2 (8) | 5 | | | | | | |
| Resistance to household cleaning products EN 438-2 (11) | <p>No Effect after 16 hours contact time: Acetic acid, acetone, ammonia alcohol, amyl acetone, benzene, butyl acetate, carbon tetrachloride, caustic soda (solutions less than 10%), citric acid, detergents, olive oil, paraffin, phenol, petrol, soaps, sugar solutions, toluene, xylene</p> <p>No effect if completely removed within 10 – 15 minutes: Caustic soda (solutions greater than 10%), ferric chloride, formic acid, hair dyes, hypochlorite bleach, hypochloric acid (less than 10%), hydrogen peroxide (less than 30%), iodine, nitric acid (less than 10%), oxalic acid, phosphoric acid (less than 10%), potassium permanganate, silver nitrate, sulphuric acid (less than 10%).</p> <p>Permanent staining on surface attack probable, necessitating immediate removal: Hydrochloric, nitric, phosphoric and sulphuric acids in concentrations greater than 10%</p> | | | | | | |
| Impact resistance of small diameter ball Spring Force (N) EN 438-2 (11) | 28 | | | | | | |
| Scratch resistance Load (N) EN 438-2 (14) | 3.5 | | | | | | |
| Wear resistance EN 438-2 (6) | 450 revolutions | | | | | | |
| Resistance to cigarette burns Grade (not worse than) EN 438-2 (18) | 4 | | | | | | |
| Formability (Radius / mm max.) EN 438-2 (20) | 10 mm | | | | | | |
| Thickness tolerance EN 438-2 | ± 0.1 mm | | | | | | |

OCTOLAM: 153, 508, 510, 511, 512, 515, 517, 524, 525, 590, 591, 592, 593, 7515

| | General Purpose | Postforming | | | | | | | | | | | | |
|---|---|--------------------------|-------------------------|--|------|------|------|---|--------------------------|-------------------------|------|------|------|------|
| | HORIZONTAL GRADE | HORIZONTAL GRADE | | | | | | | | | | | | |
| Dimensional stability <ul style="list-style-type: none"> ▪ Longitudinal ▪ Transverse EN 438-2 | <table border="0"> <tr> <td>Elevated <u>Temp.</u></td> <td>Ambient <u>Temp.</u></td> </tr> <tr> <td>0.8%</td> <td>0.5%</td> </tr> <tr> <td>1.4%</td> <td>0.8%</td> </tr> </table> | Elevated <u>Temp.</u> | Ambient <u>Temp.</u> | 0.8% | 0.5% | 1.4% | 0.8% | <table border="0"> <tr> <td>Elevated <u>Temp.</u></td> <td>Ambient <u>Temp.</u></td> </tr> <tr> <td>0.8%</td> <td>0.5%</td> </tr> <tr> <td>1.4%</td> <td>0.8%</td> </tr> </table> | Elevated <u>Temp.</u> | Ambient <u>Temp.</u> | 0.8% | 0.5% | 1.4% | 0.8% |
| Elevated <u>Temp.</u> | Ambient <u>Temp.</u> | | | | | | | | | | | | | |
| 0.8% | 0.5% | | | | | | | | | | | | | |
| 1.4% | 0.8% | | | | | | | | | | | | | |
| Elevated <u>Temp.</u> | Ambient <u>Temp.</u> | | | | | | | | | | | | | |
| 0.8% | 0.5% | | | | | | | | | | | | | |
| 1.4% | 0.8% | | | | | | | | | | | | | |
| Resistance to boiling water 2 hours at 212°F (100°C) <ul style="list-style-type: none"> ▪ Mass ▪ Thickness EN 438-2 | <table border="0"> <tr> <td>≤23%</td> <td>≤25%</td> </tr> </table> | ≤23% | ≤25% | <table border="0"> <tr> <td>≤23%</td> <td>≤25%</td> </tr> </table> | ≤23% | ≤25% | | | | | | | | |
| ≤23% | ≤25% | | | | | | | | | | | | | |
| ≤23% | ≤25% | | | | | | | | | | | | | |
| Resistance to steam Grade (not worse than) EN 438-2 | 3 | 3 | | | | | | | | | | | | |
| Dry heat resistance 356°F (180°C) cooled for 20 min Grade (not worse than) EN 438-2 | 3 | 3 | | | | | | | | | | | | |
| Resistance to household cleaning products EN 438-2 | No effect | No effect | | | | | | | | | | | | |
| Impact resistance of small diameter ball Spring force (N) EN 438-2 | ≥20 | ≥20 | | | | | | | | | | | | |
| Scratch resistance EN 438-2 | ≥2.0 | ≥2.0 | | | | | | | | | | | | |
| Wear resistance <ul style="list-style-type: none"> ▪ $\frac{IP+FP}{2}$ EN 438-2 | ≥350 | ≥350 | | | | | | | | | | | | |
| Resistance to cigarette burns Grade (not worse than) EN 438-2 | 3 | 3 | | | | | | | | | | | | |
| Formability (Radius / mm max.) EN 438-2 | 10 | 10 | | | | | | | | | | | | |
| Thickness tolerance EN 438-2 | ±0.1 mm | ±0.1 mm | | | | | | | | | | | | |

Test Values as per EN-438

| OCTOLAM: 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181 | | | | | | |
|--|---------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| Test Values as per EN-438 | | | | | | |
| Properties | | Test Method(EN 438-2) | EN-438 HGS | Merino Typical Values | EN-438 VGS | Merino Typical Values |
| Length & Width Tolerance | | 6 | +10 mm - 0 mm | +10 mm - 0 mm | +10 mm - 0 mm | +10 mm - 0 mm |
| Thickness Tolerance (.50 < t ≤ 1.0) | | 5 | ± 0.10 | ± 0.05 | ± 0.10 | ± 0.10 |
| Resistance to Surface wear (Revolution Minimum) Wear value (cycle) | | 10 | ≥350 | >450 | ≥150 | >250 |
| Resistance to immersion in Boiling water | Appearance Gloss | 12 | 3 | 3 | 3 | 3 |
| | Other Finish | | 4 | 5 | 4 | 5 |
| Resistance to Dry Heat at 180°C Rating (min) | Gloss | 16 | 3 | 4 | 3 | 4 |
| | Others | | 4 | 5 | 4 | 5 |
| Dimensional Stability at elevated temp. (Max. %) | Machine Direction | 17 | <0.55 | <0.35 | <0.75 | <0.55 |
| | Cross Direction | | <1.05 | <0.85 | <1.25 | <.95 |
| Resistance to Impact by Small –Diameter Ball | | 20 | 20N (min) | >22N | 15N (min) | >15N |
| Resistance to Cracking Under stress Rating(min) | | 23 | 4 | 5 | 4 | 4 |
| Resistance to Scratching (Force)Rating | | 25 | 3 | >3 | 2 | >2 |
| Resistance to Staining (Rating Min.) | Group 1 & 2 | 26 | 5 | 5 | 5 | 5 |
| | Group 3 & 4 | | 4 | 4 | 4 | 4 |
| Light Fastness(Xenon Arc) | | 27 | 4 to 5 Grey Scale | 5 | 4 to 5 Grey Scale | 5 |
| Resistance to Cigarette burns (Rating Min.) | | 30 | 3 | 3 | 3 | 3 |
| Resistance to water Vapour (Rating Min.) | | 14 | 4 | 5 | 4 | 5 |
| Density | | EN ISO 1183:1987 | 1.35 | 1.38 | 1.35 | 1.38 |

OCTOLAM: 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 252, 576, 577, 578, 579, 580, 583, 584, 585, 586, 587, 588, 589, 740M

See Technical Data Sheet “TechSheetOCTOLAM2”

OCTOLAM: 213, 214, 215, 216, 217, 218, 219, 220

See Technical Data Sheet “TechSheetOCTOLAM3”

Fn(X): TechSheetOCTOLAM1